IN THE CLAIMS

There is no amendment to the claims. Listed herein are original claims and claims previously amended.

1   1. (Previously Amended Once) A method for managing memory in a computer system,

2   comprising:

3   for at least one memory page,

4   dividing the page into a plurality of relocation blocks, and

5   placing the plurality of relocation blocks at a plurality of locations

6   including one or a plurality of memory systems; and

7   using a relocation table having a plurality of entries to locate the relocation

8   blocks at the plurality of locations;

9   wherein, upon a memory access,

10   using the relocation table to convert an address of the memory page

11   to a relocation address of a relocation block containing the

12   data intended for the memory access; and

13   if the data intended for the memory access is not in physical

14   memory, then loading, in physical memory, one or a

15   plurality of relocation blocks containing the data related to

16   the memory access.

1   2. (Original) The method of claim 1 further comprises the step of converting a virtual

2   address of the data to the address of the memory page.

1   3. (Original) The method of claim 1 further comprises the step of allocating the plurality

2   of relocation blocks corresponding to the memory page upon receiving the address

3   of the memory page.

1   4. (Original) The method of claim 3 further comprises the step of corresponding each

2   entry of the plurality of entries to a particular location of a relocation block.

1   5. (Previously Amended Once) A system for managing memory in a computer system,

2   comprising:

3   a plurality of relocation blocks located at a plurality of locations including

4   one or a plurality of memory systems; wherein a set of relocation

5   blocks is divided from a memory page;

6   a relocation table having a plurality of entries that is used to locate the

7   relocation blocks at the plurality of locations and to convert an

8   address of the memory page to a relocation address of a relocation

9   block containing the data intended for a memory access; and

10   if the data intended for the memory access is not in physical memory, then

11   loading, in physical memory, one or a plurality of relocation blocks

12   containing the data related to the memory access.

1   6. (Original) The system of claim 5 wherein the address of the memory page was

2   translated from a virtual address of the data.

1   7. (Original) The system of claim 5 further comprises means for allocating the plurality of

2   relocation blocks corresponding to the memory page upon receiving the address of

3   the memory page.

1 8. (Original) The system of claim 7 wherein each entry of the plurality of entries

2   corresponds to a particular location of a relocation block.

1 9. (Previously Amended Once) A computer-readable medium embodying instructions that

2   cause a computer to perform a method for managing memory in a computer

3   system, the method comprising the steps of:

4   for at least one memory page,

5   dividing the page into a plurality of relocation blocks, and

6   placing the plurality of relocation blocks at a plurality of locations

7   including one or a plurality of memory systems; and

8   using a relocation table having a plurality of entries to locate the relocation

9   blocks at the plurality of locations;

10   wherein, upon a memory access,

11   using the relocation table to convert an address of the memory page

12   to a relocation address of a relocation block containing the

13   data intended for the memory access; and

14   if the data intended for the memory access is not in physical

15   memory, then, loading, in physical memory, one or a

16   plurality relocation blocks containing the data related to the

17   memory access.

1 10. (Original) The computer-readable medium of claim 9 wherein the method further

2   comprises the step of converting a virtual address of the data to the address of the

3   memory page.

1   11. (Original) The computer-readable medium of claim 9 wherein the method further

2   comprises the step of allocating the plurality of relocation blocks

3   corresponding to the memory page upon receiving the address of the memory

4   page.

1   12. (Original) The computer-readable medium of claim 11 wherein the method further

2   comprises the step of corresponding each entry of the plurality of entries to a

3   particular location of a relocation block.